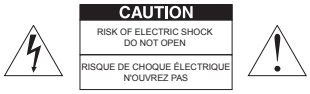
PROFICIENT

GS6

6½" Powered Subwoofer

Owner's Manual

SAFETY INSTRUCTIONS



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

ADVERTISSEMENT: Pour réduire le risque de choc électrique, ne pas enlever le couvercle (ni le dos). Aucune pièce à l'intérieur. Entretien de personnel qualifie.

APPLICABLE FOR USA, CANADA OR WHERE APPROVED FOR USAGE
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT, INSERT FULLY.
ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU AU FOND.

• Explanation of Graphical Symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a damp cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
16. **CAUTION:** Servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
17. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

TABLE OF CONTENTS

SAFETY INSTRUCTIONS 2

TABLE OF CONTENTS 3

GS6 FEATURES 4

What's Included 4

INTRODUCTION 5

GS6 FEATURES 6

GS6 Subwoofer Rear Panel 6

INSTALLATION 8

Subwoofer Placement 8

CONNECTIONS 9

OPERATING THE GS6 10

Power ON/OFF 10

Volume 10

SPECIFICATIONS 11

LIMITED TWO-YEAR WARRANTY 12

GS6 FEATURES

WHAT'S INCLUDED

1 - GS6 6½" Amplified Subwoofer
1 - AC Power Cord
1 - GS6 Owners Manual

GS6 FEATURES

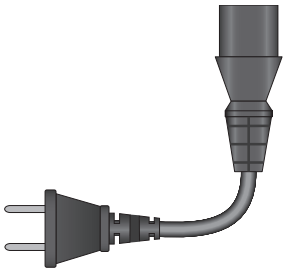
Basic Description
Amplified Subwoofer

Amplifier
30W Continuous x 1 Channel
35Hz - 200Hz; <1% THD

Audio Input (Line Level)
1 - 3.5mm Stereo Mini Jack

Speaker Configuration
Subwoofer - 6½" Cone Subwoofer; Ported Enclosure

Control
Sub Volume
Auto Sense Power ON/OFF



INTRODUCTION

Congratulations and thank you for purchasing the GS6 Powered Subwoofer by Proficient.

The GS6 is a compact powered subwoofer system that creates a big sound in small spaces. The compact size of the subwoofer requires very little space and is ideal for bedrooms, dorms and offices, but can also be used in larger rooms as well. The GS6 can be used with a computer line output or can be used with the pre-amp (variable) output of a stereo audio receiver or amplifier to enhance low frequency sound.

The GS6 Subwoofer features a 6½" Long-Excursion Poly-Coated Composite Paper Cone Woofer that is driven by a dedicated on-board 30 Watts amplifier to produce hard hitting yet detailed bass sound quality. The solid GS6 subwoofer cabinet is a bass-reflex design with an integrated low profile wood port that tunes the enclosure. The sub cabinet measures a trim H 9⅝" x W 9" x D 10" and can fit just about anywhere.

The GS6 system features a Sub Volume control so the subwoofer output level can be balanced with the main speakers connected to an audio receiver or amplifier for solid, natural bass that isn't over-bearing or too weak.

The GS6 Line IN is a stereo 3.5mm mini jack. When used with a stereo source, the GS6 amplifier will sum the left and right channels into a single output channel so all low frequency information gets processed.

The GS6 subwoofer features a magnetic wood framed grille that is easy to remove...and the GS6 looks and sounds great with the grilles on or off.

Please read and follow the instructions in this manual to assist in proper connection setup and use of the GS6 Powered Subwoofer.

GS6 FEATURES

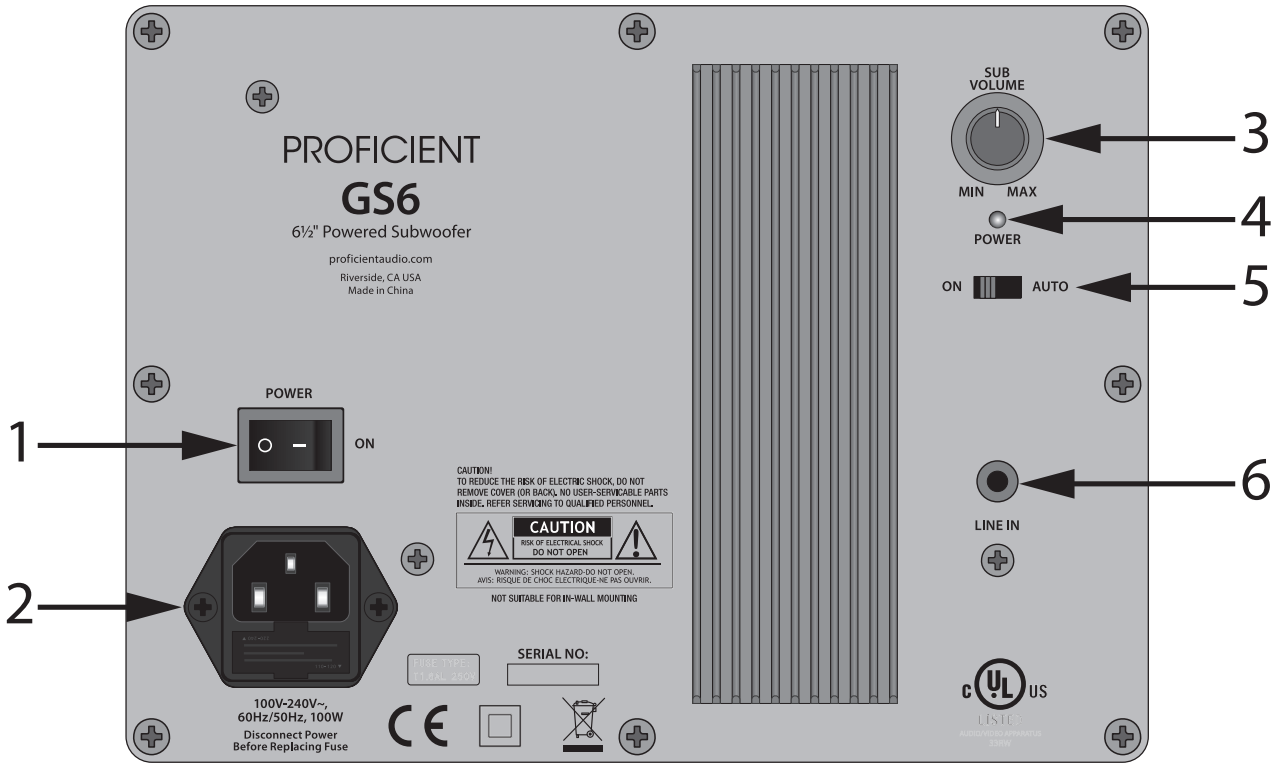


Diagram 1 *GS6 Sub Amp Plate Features*

GS6 SUBWOOFER REAR PANEL

1. **POWER -** Turns the power to the GS6 ON/OFF. Always turn the power OFF when making connections to the GS6. The Power LED will illuminate red to indicate Standby (power switch ON, no audio signal present), and green to indicate that the GS6 is ON (audio signal present).

2. **AC INPUT -** Universal power connector. Automatically selects AC voltage for a given region. Connect to the included 2-conductor AC Power Cord. After all connections have been made and confirmed, plug the power cord into an unswitched AC Outlet to power the GS6. Contact Proficient Audio Systems for a proper replacement should the AC Power Cord be damaged or misplaced.

3. **SUB VOLUME -** Adjusts the audio level of the GS6 Subwoofer. This allows the Sub audio level to be balanced with the audio level of the satellite speakers. Adjust until bass is full and natural sounding.

4. **POWER LED -** The Power LED will illuminate red to indicate Standby (power switch ON, no audio signal present), and green to indicate that the GS6 is ON (audio signal present).

5. **ON/AUTO -**
   ON position defeats audio sensing on the Line Input. The GS6 amp will always be ON if the Power switch is in the ON position.
   AUTO position will sense audio input on the Line Inputs and turn the GS6 amp ON (from standby) when an audio signal is present. The GS6 amp will turn OFF (standby) automatically when no audio signal has been detected for more than five minutes.

6. **Line IN -** One stereo 3.5mm mini jack. Connect to the L&R line level audio outputs of an audio source such as a CD player, cable box, satellite receiver, computer, etc. The Line In can also be connected to the headphone jack on a portable music player or other similar device. When used with a stereo source, the GS6 will sum the left and right channels into a single output channel so all low frequency information gets processed.

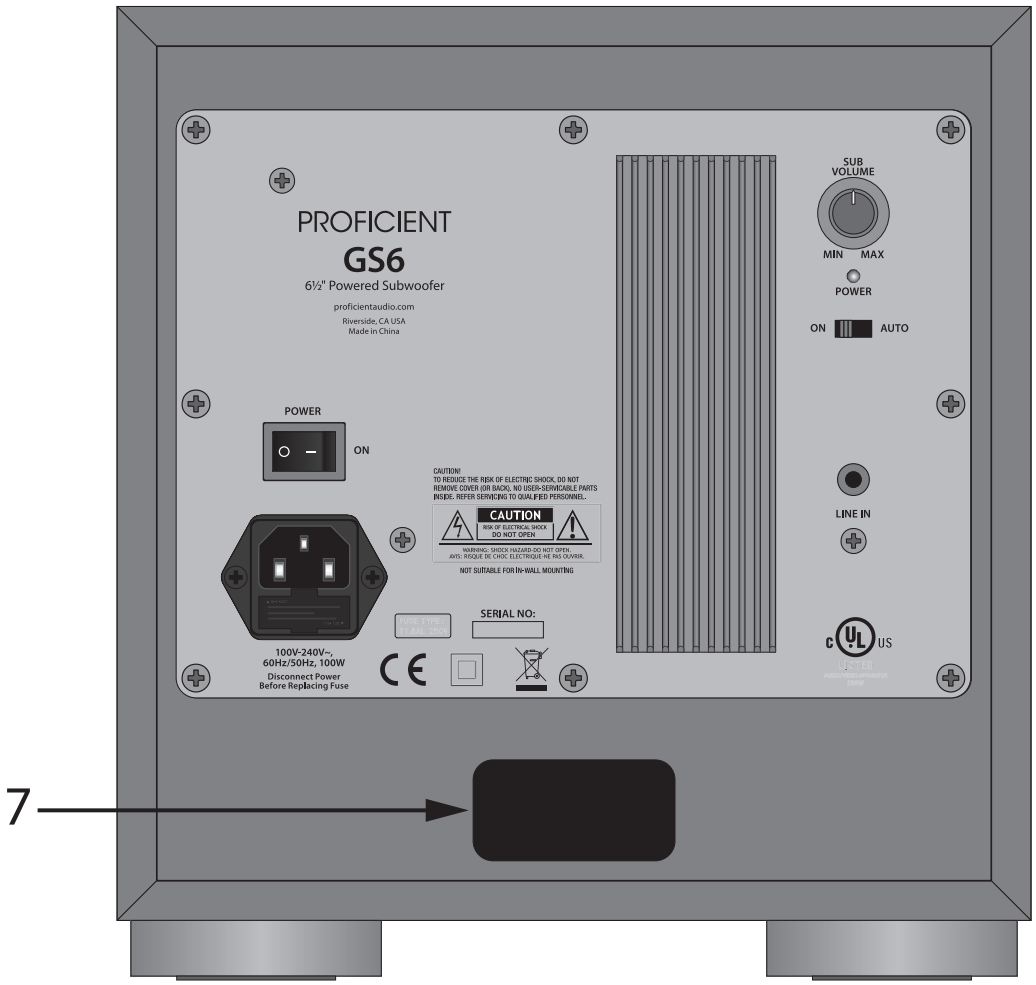


Diagram 2 *GS6 Sub Bass Port*

GS6 SUBWOOFER REAR PANEL

7. **REAR PANEL BASS PORT -** Tuned opening in the GS6 cabinet allows air to 'release' from the cabinet and enhance low frequency audio. Allow at least 3 inches of clearance to a back wall to allow air to move freely from the port for full bass extension.

INSTALLATION

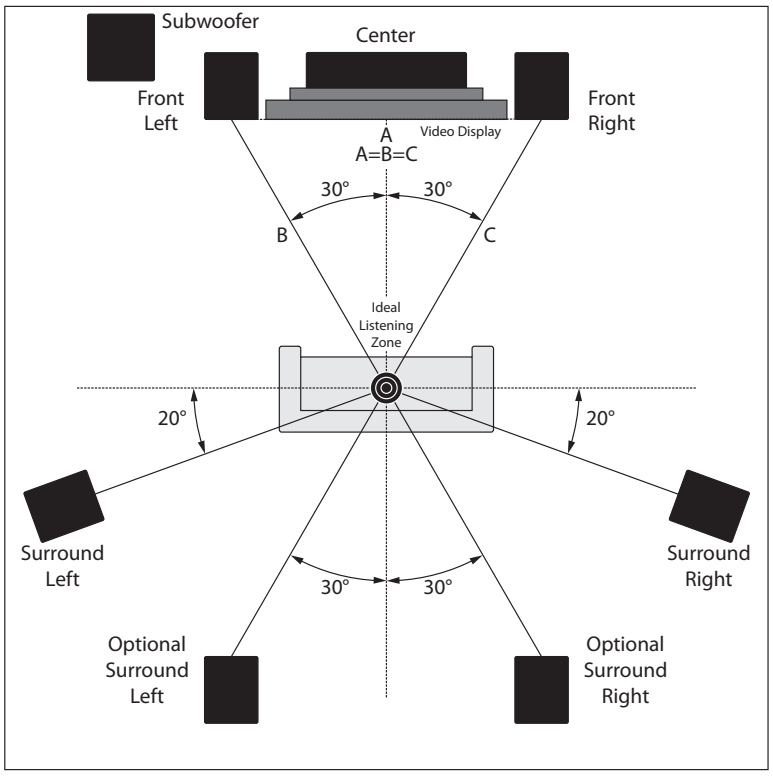


Diagram 3 *Subwoofer Location*

SUBWOOFER PLACEMENT

Subwoofer placement isn't quite as critical as placement of left, center, right and surround speakers. The low frequency output of a subwoofer is non-directional, so the sub can be placed almost anywhere in a room. Typically, a single subwoofer would be located in the front of the room with the front left/right/center speakers as shown in **Diagram 3**.

A sub located close to or directly adjacent to a side-wall can cause a degree of boominess in low frequency sound. A little bit of trial and error may help in finding a particularly good location. Also, if locating the sub next to an equipment cabinet or some other piece of furniture, be sure the grille of the GS6 is at least even with the front of the cabinet so the low frequency sound waves are not blocked and can properly open up into the room.

DO

Place the GS6 with its feet resting on a solid flat level surface.
Place the GS6 in a well-vented area to provide proper cooling. In areas that lack proper ventilation, such as tight cabinets or racks, it may be necessary to install small fans to create air movement.

DO NOT

Obstruct the GS6 driver or ports as that will hinder performance.
Place the GS6 in any position other than horizontal with the feet down. Never place on its side or resting on the back where the terminals are located.
Place the GS6 near heat sources or in an area that it would be exposed to moisture.

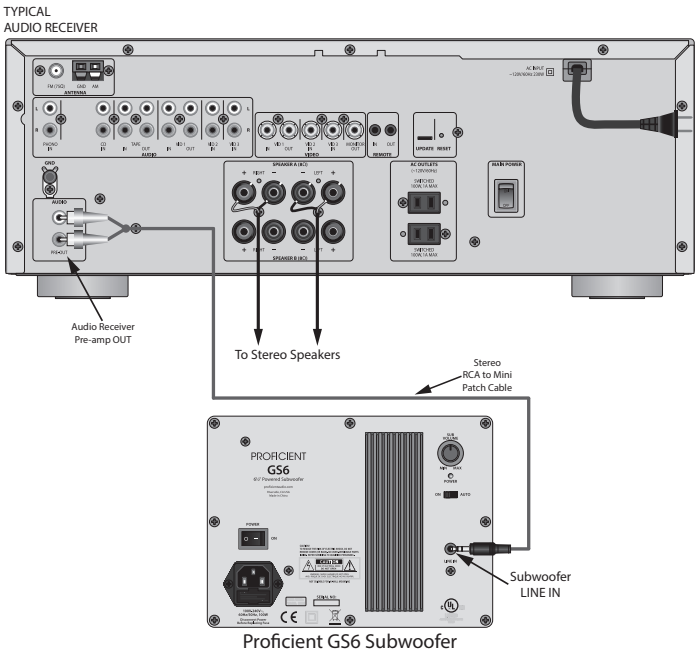


Diagram 4 *GS6 Line IN Connections*

CONNECTIONS

In the illustration above, **Diagram 4** shows the GS6 Line IN connected to the Pre-amp OUT on a stereo audio receiver.

Always be sure the Power switch is turned OFF before making any connections.

LINE INPUT

1. Using a stereo RCA to mini cable terminated with gold ends, connect the L & R Pre-amp OUT on a stereo audio receiver to the Line IN on the GS6 or use a stereo mini-mini for connection to a computer line output. The GS6 will sum the left and right channels into a single sub channel. The GS6 frequency response is 35Hz - 200Hz so it will only output low frequency sound.

2. Set the GS6 Sub Volume to balance the low frequency audio output of the GS6 with the main speakers so the GS6 bass level sounds like a natural extension of the main speakers. Once set, adjust system volume (main speakers and sub) with the audio receiver/amplifier remote control or front panel volume control.

OPERATING THE GS6

With everything connected and powered up, the GS6 is ready to play!

POWER ON/OFF

1. Set the Power switch to the ON position.

ON

1. If the ON/AUTO switch is set to ON, and the Power switch is set to the ON position, the GS6 amplifier will always be ON and ready to play.

AUTO

1. If the ON/AUTO switch is set to AUTO, and the Power switch is set to the ON position, the GS6 amplifier will sense an audio signal on the Line IN and automatically turn ON.

OFF

ON

1. If the ON/AUTO switch is set to ON, the Power switch can be used for manual power OFF if desired.

AUTO

1. If the ON/AUTO switch is set to AUTO, it is not necessary to turn the GS6 OFF. The audio sensing circuit will automatically turn the amp OFF (standby) when no audio signal has been detected for more than five minutes. The Power switch can be used as a manual power off if desired.

VOLUME

Set the Sub Volume on the GS6 using the following steps. There may be some trial and error in getting just the right levels, and you may want to make adjustments to the settings as you become familiar with the sound of the GS6.

Once the Sub Volume has been set on the GS6, use the volume control on the source to control system volume.

SUB VOLUME

1. With a source playing at a normal listening level, adjust the Sub Volume knob until the low frequency sound (bass) playing from the GS6 subwoofer sounds natural and balanced with the main speakers.

2. Play different types of music to find a good overall setting that will sound good with different types of music.

3. Once the Sub Volume has been set on the GS6, use the volume control on the source to control system volume.

SPECIFICATIONS

Audio Sections

Amplifier (Subwoofer)

Power Output	30W Continuous x 1 Channel; @100Hz
THD (at rated power)	0.09%
Damping Factor	71.4
Input Sensitivity (For rated power @ max VC, analog L&R Inputs)	93.9 mV
Input Impedance (analog L&R Inputs)	11 K Ohms
Input Overload (analog L&R Inputs)	4.85 Vrms
Frequency Response	35Hz - 200Hz
S/N Ratio (A-Wtd, dB below 1 Watt)	-86 dB

Subwoofer

Subwoofer	6½" Long-Excursion Poly-Coated Composite Paper Cone

Power Consumption

Standby	2.9 Watts
No signal (idle)	8.5 Watts
At 1/8 of Rated Power (3.75 Watts/Channel, 4Ω)	42 Watts
Rear Panel Marked Line Ratings	100-240V~ 60/50Hz

Subwoofer Dimensions (Includes Feet & Grille)

H 9⅝" x W 9" x D 10"

LIMITED TWO-YEAR WARRANTY

Proficient Audio, Inc. warrants to the original retail purchaser only ("you") that this product will be free from defects in materials and workmanship for a period of two years (the "Warranty Period"), subject to the limitations and exclusions set out in this Limited Warranty. This warranty is not transferable to subsequent owners of the product. If you discover a defect in material or workmanship within the Warranty Period, you can obtain warranty service by contacting Proficient Audio during the Warranty Period at 877.888.9004 or techsupport@proficientaudio.com or by sending the product to Proficient Audio at 940 Columbia Avenue, Riverside, CA 92507 or to the dealer from whom you purchased the product. Defective products must be shipped, prepaid and insured, together with proof of purchase. Warranty service requests made without proof of date of purchase will be denied. Freight collect shipments will be refused. It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk of loss or damage in transit is to be borne by the purchaser.

If, upon examination by Proficient Audio it is determined that the unit is in fact defective, Proficient Audio will, at its option:

- Repair or replace the product at no additional charge; or
- If the model is no longer available and cannot be repaired effectively, replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, Proficient Audio assumes no responsibility or liability for such modification. Proficient Audio will bear the cost of returning the repaired or replaced product to you, freight prepaid. All replaced parts and product become the property of Proficient Audio. The foregoing is your sole and exclusive remedy for breach of warranty. If the product is not found to be defective, Proficient Audio will contact you to arrange for return of the product to you, at your expense.

EXCLUSIONS:

- This Warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, or service, repair or modification of the product by unauthorized dealers. This Warranty also excludes normal cosmetic deterioration caused by environmental conditions.

- This Warranty will be void if:
  - The Serial Number on the product has been removed, tampered with or defaced.
  - The product was not purchased from an authorized dealer.

The foregoing warranties are exclusive and in lieu of all other expressed and Implied warranties. Proficient Audio expressly disclaims all such other warranties, Including but not limited to implied warranties of merchantability, fitness for A particular purpose and non-infringement. In no event will Proficient Audio be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if Proficient Audio has been advised of the possibility of such damages, or for any claim by any other party. Notwithstanding the above, if you qualify as a "consumer" under the Magnuson-Moss Warranty Act, then you may be entitled to any implied warranties allowed by law for the Warranty Period. Further, some states do not allow limitations on how long an implied Limited Warranty lasts or allow the exclusion or limitation of consequential damages, so such limitations may not apply to you.

ATTENTION TO OUR VALUED CONSUMERS:

To insure that consumers obtain quality pre-sale and after-sale support and service, Proficient Audio products are sold exclusively through authorized dealers. **Proficient Audio products are not sold online** by Proficient Audio or its authorized dealers, and this warranty is VOID if the products have been purchased from any internet reseller. To determine if your Proficient Audio reseller is authorized, please call Proficient Audio at 877.888.9004 or go to proficientaudio.com.

For technical inquires, please call 877.888.9004 or e-mail us at techsupport@proficientaudio.com. We are available to assist you every weekday, except holidays, between the hours of 7:00 a.m. and 5:00 p.m. PST.

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940 Columbia Avenue • Riverside, CA 92507 • 877.888.9004 • Fax 951.750.6304 • proficientaudio.com
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